



HEATING, VENTILATION, AND AIR CONDITIONING

MINIMUM EQUIPMENT LIST

Instructional Equipment and Software

Item Name	Count 15 Students	Count 20 Students	Count 25 Students	Description/Specification
Television/VCR/DVD	1	1	1	25"
Overhead Projector with Screen	1	1	1	
A/V Cart/Media Storage Center	1	1	1	
LCD	1	1	1	
Air Acetylene Torch	2	2	2	
Air Compressor	1	1	1	5 HP, 60 gal.
Amp and Voltage Recorder	2	2	2	Digital
Bench, Work	2	2	2	Electrical, 4-15A outlets w/circuit breaker
Bench, Work	4	5	6	30" x 60", wood or metal
Charging Cylinder	3	3	3	Heated
Charging Meter	1	1	1	Electronic
Cooling Unit	1	1	1	Window unit
Combustion Testing Kit	1	1	1	
Computer System	1	1	1	See Technical and Professional Education Technology Standards
Computer Printer	1	1	1	See Technical and Professional Education Technology Standards
Cutter Set, Knock-Out	1	1	1	
Drill, Electric	2	3	4	3/8" drive, variable speed, reversing
Drill, Electric	2	3	4	Cordless, 3/8" Drive, variable speed, reversing
Drill, Electric	1	1	1	Right angle, 3/8" drive, variable speed, reversing
Gauge Set, Refrigeration	3	3	3	
Grinder, Bench	2	2	2	6", dual wheel
Hand Truck, Appliance	2	2	2	With tie strap
Heating/Cooling Unit	1	1	1	Furnace/condenser system
Heating/Cooling Unit	1	1	1	Heat pump system
Heating/Cooling Unit	1	1	1	Window unit
Hermetic Analyzer	2	2	2	
Hermetic Service Valve Kit	2	2	2	
Leak Detector	2	2	2	Electronic
Notcher	1	2	3	Hand
Pilot Tube	2	2	2	

Item Name	Count 15 Students	Count 20 Students	Count 25 Students	Description/Specification
Puller Set	1	2	3	Bearing
Puller Set	1	2	3	Gear
Regulator, Nitrogen	1	1	1	With nitrogen bottle and cart
Tap and Die Set	1	1	1	Standard & metric
Threading Tool	3	3	3	T-Handle Tap Wrench
Threading Tool, Die	2	2	2	
Threading Tool, Die Stock	2	2	2	
Tubing Bender	3	4	5	Lever
Tubing Swage Punch	2	2	2	
Vacuum Gauge	2	2	2	Thermistor
Vacuum Pump	2	2	2	Two stage, 20 micron
Welder, MIG	1	1	1	Portable, 90 amp, 115v
Welder, Portable	2	2	2	Oxy-Acetylene Unit (Complete welding outfit w/cutting torch attachments, bottles, and cylinder truck)
Wrench, Impact	2	2	2	Electric